

## Selected GRF Projects– Class of 2008

<b>Reserve</b>	<b>GRF Name</b>	<b>University</b>	<b>Title of proposal</b>	<b>Duration</b>
<b>ACE Basin, SC</b>	Sam Crickenberger	Clemson University	Larval Viability of the Titan Acorn Barnacle ( <i>Megabalanus coccopoma</i> ) in South Carolina Estuaries	<b>1</b>
<b>Apalachicola, FL</b>	Elise Gornish	Florida State University	Use of Census Data to Inform and Implement Restoration of Gulf Dune Vegetation	<b>2</b>
<b>Apalachicola, FL</b>	Paula Viveros-Bedoya	University of Florida	Phytoplankton composition and abundance in relation to salinity, nutrient and light gradients in the Apalachicola National Estuarine Research Reserves (ANERR)	<b>3</b>
<b>Chesapeake Bay, MD</b>	Benjamin Fertig	University of Maryland Center for Environmental Science	Connecting monitoring, long-term, and broad-scale water quality datasets through an estuarine biological indicator of nitrogen source: $\delta^{15}N$ in <i>Crassostrea virginica</i> tissues	<b>1</b>
<b>Chesapeake Bay, VA</b>	Rachael Blake	Virginia Institute of Marine Science	Field estimation of the ecological impacts of shoreline modifications on the structure and functioning of the faunal community in <i>Zostera marina</i> beds	<b>2</b>
<b>Chesapeake Bay, VA</b>	Megan First	The College of William and Mary	Effects of Nest Predation and Drowning in Crabpots on a Diamondback Terrapin ( <i>Malaclemys terrapin</i> ) Population in Virginia	<b>1</b>
<b>Delaware</b>	Susanne Moskalski	University Of Delaware	Hydrologic and Oceanic Influences on Interannual Sea Level and Turbidity in the St. Jones River Estuary, Delaware	<b>2</b>
<b>Delaware</b>	Stephanie Stotts	University of Delaware	Riparian Restoration of the Blackbird Creek Reserve, New Castle County, DE	<b>3</b>

<b>Elkhorn Slough, CA</b>	Joanna Nelson	University of California – Santa Cruz	Interactions of nutrient pollution and sea-level rise in the estuary of Elkhorn Slough, California	<b>3</b>
<b>Grand Bay, MS</b>	Rebecca Cripps	University of Alabama	Reconstruction of vegetation history and accretion rates in coastal marshes: Understanding past responses to sea-level rise at Grand Bay	<b>1</b>
<b>Great Bay, NH</b>	Jeremy Nettleton	University of New Hampshire	Tracking environmental trends in the Great Bay Estuarine System through comparisons of historical and present-day green algal nutrient content and community structure data	<b>2</b>
<b>Hudson River, NY</b>	Sanpisa Sritraitrat	Columbia University	Linking Wetland Sedimentation and Contaminant Deposition with Ecosystem Changes from Anthropogenic and Climatic Changes in Hudson River NERR Wetlands	<b>2</b>
<b>Narragansett Bay, RI</b>	Elizabeth DeCelles	University of Rhode Island	Influence of Nekton Abundance and Invasive Species on Egret Use of Restored and Reference Salt Marshes in Narragansett Bay	<b>2</b>
<b>North-Inlet Winyah Bay, SC</b>	Emma Wear	Coastal Carolina University	Effects of Inter-Tributary Carbon Variability on Heterotrophic Microbial Communities in Upper Winyah Bay, SC	<b>1</b>
<b>North Carolina, NC</b>	Ginger Winder	University of North Carolina Wilmington	Mercury (Hg) levels in feathers and blood of two species ( <i>Ammodramus nelsoni</i> and <i>A. caudacutus</i> ) of coastal sparrows from over-wintering and breeding sites.	<b>3</b>
<b>Old Woman Creek, OH</b>	Jerone Anderson	Ohio University	A study of nutrient dynamics in Old Woman Creek using Neural Networks and Bayesian Inference	<b>1</b>

<b>Padilla Bay, WA</b>	Jessica Silver	University of Washington	Ecosystem Effects of Invasive Eelgrass ( <i>Zostera japonica</i> ) on Sediment Microbial Communities and Processes.	<b>3</b>
<b>San Francisco Bay, CA</b>	Elizabeth Wells	University of California - Davis	Invasive invertebrate communities at China Camp State Park: Monitoring, predation dynamics, and screening of potential invaders	<b>3</b>
<b>Tijuana River, CA</b>	Kellie McFarland	San Diego State University	Using soil salinity and soil moisture to inhibit invasive species at the upland-high marsh ecotone	<b>2</b>
<b>Tijuana River, CA</b>	Shannon Webber	San Diego State University	Particle classification and accumulation rates of sediment within fluvial and feeder canyon depositional environments of the Tijuana Estuary Reserve	<b>1</b>
<b>Wells, ME</b>	Kristin Wilson	University of Maine	Linking eco-physical characteristics of salt pools to spatial patterns of salt marsh surficial change over the past four decades in five Maine salt marshes.	<b>2</b>
<b>Weeks Bay, AL</b>	Molly Mintz	University of South Alabama	Effect of Non-point Source Nutrient Pollution and Environmental Variation on Native/Non-native Aquatic Plant Interactions in Weeks Bay, AL	<b>2</b>
<b>Waquoit Bay, MA</b>	Rita Monteiro	SUNY College of Environmental Science and Forestry	Effects of land use on alewife growth rates and recruitment using biogeochemical tracers in New England estuaries	<b>3</b>